E & M J METAL AND MINERAL MARKETS

Weekly Market Information Issued by the Publishers of Engineering and Mining Journal.

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Replacement Battery Shipments

Estimated total industry shipments of automotive replacement batteries by United States manufacturers during 1949 and the first five months of 1950, by months, according to the business information division of Dun & Bradstreet.

	1949	1950
January	1,243,000	1,467,000
February	826,000	1,174,000
March	560,000	1,191,000
April	499,000	(a) 916,000
May	685,000	1,200,000
June	1,059,000	.....
July	1,637,000	.....
August	2,648,000	.....
September	2,786,000	.....
October	2,573,000	.....
November	2,132,000	.....
December	1,694,000	.....
Total	18,242,000	.....

(a) Revised

Canadian manufacturers shipped 81,200 batteries in May, which compares with 71,200 in April and 54,900 in May 1949.

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Zinc-Base Die Castings

Shipments of zinc-base alloy die castings in April totaled 40,441,000 lb., which compares with 42,658,000 lb. in March and 27,386,000 lb. in April a year ago, the Bureau of the Census reports.

In the first four months of 1950, shipments of zinc-base die castings totaled 152,685,000 lb., against 117,105,000 lb. in the Jan.-April period a year ago.

Unfilled orders for zinc-base alloy die castings produced for sale at the end of April totaled 57,039,000 lb., which compares with 53,664,000 lb. a month previous and 46,397,000 lb. a year ago.

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Federal Reserve Index Up

A preliminary estimate by the Federal Reserve Board placed industrial production for May at 193% of the 1935-39 average, or within 1% of the postwar high established in October and November of 1948. Production of steel and automobiles was at record levels. Gains were made in building materials, furniture and household appliances.

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Steel Production at 101.2%

The operating rate of the steel industry for the week beginning June 19 was estimated at 101.2% of capacity, the American Iron and Steel Institute reports. In the preceding week production was scheduled at 101.1% of capacity.

Production in the current week was estimated at 1,929,100 tons of steel ingots and castings.

Fabricators Shipped 133,365 Tons of Copper in May—Major Metals Unchanged

Restraint on the part of producers kept prices for copper and zinc from rising. There was hope that with the vacation period at fabricating plants near at hand, the buying movement would moderate. The copper statistics of the fabricating division of the industry showed heavy shipments to consumers during May. The supply situation in copper was extremely tight. Foreign zinc has been selling in quantity in this market at a premium over the 15c. basis. Lead sales were good, but the market was no more than steady. Cadmium was advanced 15c. per pound during the week. The Tin Sales Corp. announced that effective with the close of business on June 30, 1950, the RFC will make all sales of tin from its office at 811 Vermont Ave., N.W., Washington 25, D. C.

Copper

Interest centered in the fabricators' statistics for May, which indicated that shipments to consumers during the month contained the equivalent of 133,365 tons of copper, against 124,032 tons in April. The shipments were the largest since January 1947. Sales by fabricators to consumers during May contained 154,295 tons of copper. Rising prices and tariff uncertainty were factors in the heavy movement of the metal. Stocks of refined copper in the hands of fabricators at the end of May totaled 338,504 tons, which compares with 358,243 tons a month previous.

Though the Administration appears to be exerting some pressure for early action on the question of the import duty, most observers believe that the tariff will become effective on July 1, 1950. However, the move to extend the duty-free period before Congress adjourns will be pushed to the limit.

In reference to the strike at Chuquicamata, Chile's Minister of Labor has intervened to settle the dispute.

Sales in the domestic market of June shipment copper now total 106,500 tons, with July at 44,000 tons. The market was strong on the basis of 22½c., Valley.

Lead

Sales of lead during the last week in the domestic market were in good volume, totaling 11,861 tons against 9,160 tons in the preceding week. The price was maintained at 12c., New York. With the Government not interested at present in acquiring lead for its stockpile, consumers take the position that the available supply will be ample.

Shipments of replacement batteries in May were estimated at 1,200,000 units, against 916,000 units (revised) in April.

The foreign market for lead was unsettled. Common lead was offered at prices ranging from 11c to 11½c., f.a.s. Gulf ports. In fact, it was reported that the low figure might have been shaded.

Zinc

With the zinc concentrate market unchanged, which was contrary to general expectations, tension in the metal eased a little during the last week. However, the demand was active and the price structure showed no indications of weakening. The available supply for the next two or three months has been sold up. Producers are beginning to set aside tonnages for the stockpile, adding to the difficulties of the industry. Prime Western zinc continued at 15c. per pound, East St. Louis.

Sales of foreign slab zinc to domestic consumers at premium prices have been substantial in recent weeks. Imports will be larger than anticipated.

The Rosita smelter of A. S. & R. Co. remains closed. Prospects for an early settlement of the labor dispute are favorable.

Kennecott is reopening its zinc property in New Mexico. The mine, closed down since the middle of 1949, has a capacity of 600 tons of zinc a month.

The British Ministry of Supply is inquiring for some 19,000 tons of zinc for the third quarter. The bulk of this tonnage will be supplied by producers outside of the United States.

Export zinc, Prime Western, was nominal at 14½c. per pound, f.a.s. Gulf ports.

Cadmium

Demand for cadmium from domestic and foreign consumers has been quite active in recent months. Leading interests raised the price 15c. a pound during the last week. Effective June 15th, commercial sticks moved up to

(Continued on page 3)

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E&MJ
METAL AND MINERAL
MARKETS

Weekly Market Information
Issued by the Publishers of
Engineering and Mining Journal
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E&MJ Metal and Mineral Markets is published each Thursday with a daily quotation for copper, lead, zinc, tin, and silver. Commodities that change price infrequently are quoted at weekly or monthly intervals, according to their importance. Official weekly and calendar weekly averages, also monthly averages, are published for copper, lead, zinc, tin, and silver in the United States market.

Freight Absorption Bill Vetoed by President

President Truman, on June 13, vetoed the freight absorption bill (S. 1008) because the measure as passed by Congress would, in his opinion, obscure rather than clarify the issue. The bill, he said, would cause more confusion than it would dispel.

It is quite clear, he said in his veto message, that there is no bar to freight absorption or delivered prices as such under the present law.

The President's action effectively kills this legislation for the present session of Congress. To override the veto, two-thirds of the House and the Senate have to support the bill.

The bill, the President said, is far from clear. Each of its major provisions is capable of widely conflicting interpretations. He added:

"Members of Congress are usually in substantial agreement about the meaning of proposed legislation, even though they may differ widely about whether or not it is desirable. In debating this bill they have expressed substantial agreement about what is desirable and yet have differed widely about the bill's meaning and effects.

"In the light of these conflicting interpretations, many years of complex litigation would be required to give the provisions of S. 1008 clear and specific content. This is certain to be a slow and difficult process. Meanwhile, some individuals might be encouraged to resume practices which are now prohibited. During this period, doubt cast on the previous decisions of the courts would impair effective enforcement of the anti-trust laws."

Senator O'Mahoney, author of the vetoed bill, said the President's stand makes it clear that the Federal Trade Commission will not prosecute any seller who absorbs freight or uses an individual delivered price system free of conspiracy or collusion.

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U. S. Mine Output of Zinc

Mine output of zinc, in terms of recoverable metal, was 48,267 tons in April, against 51,212 tons in March and a monthly average of 48,657 tons in 1949, the Bureau of Mines reports. Production by region and state in March and April, in tons, was as follows:

East of Mississippi:	March	April
Southern Illinois and Kentucky	545	551
Northern Illinois and Wisconsin	2,309	2,604
New York, New Jersey and Virginia	9,819	8,743
Tennessee	3,149	2,952
	15,822	14,850
West Central States:		
Arkansas	6	
Kansas	2,261	1,889
Missouri	476	569
Oklahoma	3,349	3,055
	6,092	5,513
Western States:		
Arizona	6,400	5,350
California	630	670
Colorado	3,488	2,839
Idaho	7,315	6,725
Montana	5,575	4,045
Nevada	1,910	2,240
New Mexico	1,555	1,845
Utah	3,230	3,430
Washington	1,185	1,160
	29,298	28,104
Total, United States	51,212	48,267

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Chairman of Roan Antelope

Ronald L. Prain has been elected chairman of Roan Antelope Copper Mines, Rhodesian Selection Trust and Mufulira Copper Mines. He succeeds A. Chester Beatty, who was chairman of all three companies since their incorporation in 1928 and 1930, and has retired at the age of 75. Mr. Prain has been associated with the Rhodesian companies for many years.

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Zinc Oxide in April

Domestic production of zinc oxide in April amounted to 18,351 tons, against 20,680 tons in March, the Bureau of Mines reports.

Shipments during April totaled 17,213 tons, against 16,608 tons in the preceding month.

Stocks in the hands of producers at the end of April totaled 15,644 tons, which compares with 14,506 tons in March, 10,434 tons in February and 9,282 tons in January.

U. S. Lead Imports

Lead imports of the United States in March and April of the current year, by countries, in tons, according to the Bureau of the Census:

Ore, etc. (lead content):	March	April
Canada	24	353
Mexico	288	256
Bolivia		437
Union of South Africa	2,084	111
Philippines	200	143
Other countries	32	111
Totals	2,686	1,403
Base bullion (content):		
Australia	47	
Other countries	23	113
Totals	70	113
Pigs and bars:		
Canada	6,329	3,015
Mexico	15,260	19,325
Peru	1,500	2,250
Germany	141	
United Kingdom	5	
Yugoslavia	701	6,870
Japan	142	1,028
Totals	24,278	32,488
Lead scrap, etc. (content)	1,209	2,274
Antimonial lead (content)	160	395

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U. S. Zinc Imports

Zinc imports of the United States during April and the four months ended April, in tons:

Zinc ore (content):	April	Jan.-April
Canada	3,319	23,123
Mexico	12,371	31,250
Bolivia	23	71
Peru	1,198	3,253
Union of S. Africa	23	927
Australia		517
Other countries	28	56
Totals	19,160	79,197
Zinc in slabs, etc.:		
Canada	9,125	35,734
Mexico	3,157	10,312
Peru	500	1,005
Norway	365	2,869
Totals	13,147	49,920
Dross and skimmings		236
Old zinc	73	125

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Current Literature

Statement on the Position and Prospects of the Tin Industry. International Tin Study Group, 7 Carel van Bylandtaan, The Hague, Netherlands. Pp. 58. Price 7s. 6d or $1, post free.

The position of the world tin industry has been discussed by the International Tin Study Group at a series of meetings since 1947. Last summer, the organization set up a working party to draw up a statement on the position and prospects of the tin industry and also, if necessary, draft an international agreement on tin which would be in harmony with the provisions of the Havana Charter. The "Statement" gives a detailed description of the general and historical background of the industry. It is of value to all interested specifically in tin, or generally in the international approach to the problems of basic raw materials.

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(Continued from page 1)

$2.15 a pound. On the same day, the quotation on special shapes to platers was raised to $2.30 a pound.

During the war years, the ceiling on cadmium, commercial sticks, was 90c. a pound.

Tin

With London and Singapore lower, demand for tin here, which was moderately active early in the week, slackened appreciably. Prompt Straits quality tin was available as the week ended at 76½c. a pound, with forward metal about one-eighth cent less.

During April, Bolivia exported tin concentrates that contained 2,998 metric tons of tin, against 4,304 tons in the preceding month. Exports in the first four months of 1950 totaled 9,977 tons, which compares with 9,803 tons in the same period of 1949.

Standard tin on the London Metal Exchange, per long ton, was as follows:

	Standard Tin	
	Spot	3-Months
June 15	£602½	£604
June 16	£599¾	£600
June 19	£596½	£597½
June 20	£594	£595
June 21	£596	£597½

Quotations on the 99% grade (tin content): June 15th, 76½c.; 16th, 76½c.; 17th, 76½c.; 19th, 76c.; 20th, 75½c.; 21st 75½c.

Quicksilver

At a recent hearing before a Senate Labor sub-committee on the impact of imports on our economy, S. H. Williston, vice president of Cordero Mining Co., said the quicksilver mining industry was started in this country 100 years ago, and, like the one-horse shay, has lasted 100 years. The reason for its "death" is imports from Spain, Italy and Yugoslavia, he said.

The New York market for the metal was quiet and quotably unchanged at $70 to $72 a flask, immediate delivery.

Silver

The New York market for foreign silver was unchanged last week at 72½c. an ounce troy.

London was unchanged at 63½d.

U. S. mine output of silver in April was 3,535,834 oz., against 3,795,883 oz. in March, the Bureau of Mines reports.

United States Gold Price

The price paid by the United States Treasury for gold purchased by the mints continued at $35 per troy ounce of fine gold, less ¼ of 1 percent.

Actual payment by the United States Treasury for gold in imported and domestic ore or concentrate is at 99.75 percent of the price quoted by the Treasury, which at present is equal to $34.8125 per ounce.

Foreign Exchange

Foreign currencies, in addition to the daily quotation on sterling checks given in the table on this page, were quoted on in terms of dollars as follows:

	Demand
Mexico (silver peso)	11.60c.
Canada (dollar) (a)	99⅝c.

(a) Selling basis, N. Y.

Sterling exchange futures, 60-day and 90-day, nominal.

London cables and checks quoted on even basis throughout week.

Official London Prices

The following delivered quotations have been fixed by the Ministry of Supply for the United Kingdom:

	Per Long Ton		
COPPER	£	s.	d.
Electrolytic, high conductivity	186	0	0
Fire refined, high conductivity	186	0	0
Fire refined, high grade	185	0	0
Fire refined, min. 99.7 percent	185	0	0
Fire refined, min. 99.2 percent	184	10	0
Hot rolled black wire rods, English	195	12	6
LEAD			
Soft, foreign duty paid	96	0	0
Soft, Empire	96	0	0
English, refined	97	10	0
ZINC			
Foreign (G.o.b.) duty paid	127	10	0
Domestic (G.o.b.)	127	10	0
Prime Western and debassed	127	10	0
Refined and electrolytic	128	5	0
Minimum 99.99 percent	129	15	0

DAILY PRICES OF METALS (*E & M J Quotations*)

June	Electrolytic Copper Domestic Refinery	Electrolytic Copper Export Refinery	Straits Tin, New York	Lead New York	Lead St. Louis	Zinc East St. Louis
15	22.200	22.425	77.250	12.000	11.800	15.000
16	22.200	22.425	77.250	12.000	11.800	15.000
17	no market	22.425	77.250	12.000	11.800	15.000
19	22.200	22.425	77.000	12.000	11.800	15.000
20	22.200	22.425	76.750	12.000	11.800	15.000
21	22.200	22.425	76.875	12.000	11.800	15.000
Average	22.200	22.425	77.063	12.000	11.800	15.000

Average prices for calendar week ended June 17, are: Domestic copper f.o.b. refinery, 22.200c.; export copper f.o.b. refinery 22.425c.; Straits tin, 77.521c.; New York lead 12.000c.; St. Louis Lead, 11.800c.; St. Louis zinc, 14.971c.; and silver 72.750c.

The above quotations are our appraisal of the major United States markets, based on sales reported by producers and agencies. They are reduced to the basis of cash, New York or St. Louis as noted. All prices are in cents per pound.

Copper, lead and zinc quotations are based on sales for both prompt and future deliveries; tin quotations are for prompt delivery only.

In the trade, domestic copper prices are quoted on a delivered basis, that is, delivered at consumers' plants. As delivery charges vary with the destination, the figures shown above are net prices at refineries on the Atlantic seaboard. Delivered prices in New England average 0.300c. per pound above refinery basis.

Our export quotation for copper reflects prices obtaining in the open market and is based on sales in the foreign market reduced to the f.o.b. refinery equivalent, Atlantic seaboard. On f.a.s. transactions we deduct 0.375c. for lighterage, etc., to arrive at the f.o.b. refinery quotation.

Quotations for copper are for the ordinary forms of wirebars and ingot bars. For standard ingots an extra 0.087c. per pound is charged; for slabs 0.125c. up, and for cakes 0.375c. up, depending on weight and dimensions; for billets an extra 1.05c. up, depending on dimensions and quality. Cathodes in standard sizes are sold at a discount of 0.125c. to 0.15c. per pound.

Quotations for zinc are for ordinary Prime Western brands. Premiums obtaining over Prime Western zinc in the East St. Louis market on the following grades, in cents per pound: Selected 0.15c.; Brass Special, 0.25c.; Intermediate, 0.5c. High Grade zinc sold on contract, delivered in the East and Middle West, commands a premium of 1.10c. per pound over the East St. Louis basis for Prime Western; on Special High Grade the premium or differential is 1.25c. per pound.

Quotations for lead reflect prices obtained for common lead only. The differential on sales in the Chicago district is 10 points under New York; for New England add 7½ points to the New York basis. Corroding grade commands a premium over common lead of 10 points.

Silver, Gold, and Sterling Exchange

June	Sterling Exchange "Checks"	Silver New York	Silver London	Gold London
15	$2.80	72⅝	63½d.	248s.
16	2.80	72⅝	63½d.	248s.
17	Not Quoted			
19	2.80	72⅝	63½d.	248s.
20	2.80	72⅝	63½d.	248s.
21	2.80	72⅝	63½d.	248s.

Average silver, 72.750c.; Sterling Exchange 280.000c.

The daily New York silver quotation reported by Handy & Harman is for silver contained in new and other unrefined silver-bearing materials, in cents and one-eighth cent fractions per troy ounce. It is determined by Handy & Harman on the basis of actual sales of bar silver .999 fine in amounts of 50,000 ounces or more for nearby delivery at New York, and is usually one-quarter cent below the price paid for such bar silver, this reduction being allowance for carrying, delivering, and marketing. In addition to foreign silver, the quotations also apply to domestic and Treasury silver if such silver enters the New York market.

The Treasury's purchase price of newly mined domestic silver was established at 90.5c. per troy ounce, 1000 fine, effective on July 1, 1946 under an amendment to the Silver Purchase Act of July 6, 1939.

London silver quotations are in pence per troy ounce, basis .999 fine.

London gold quotations are per troy ounce, basis 1000 fine.

Sterling quotations represent the demand market in the foreignn. For premium on cables see Foreign Exchange.

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Miscellaneous Metals

Quotations cover wholesale lots, f.o.b. New York, unless otherwise specified.

ALUMINUM—Per lb., base price, f.o.b. shipping point: 30 lb. ingot, 99% plus, 17½c.; in pigs, 16½c.

Base prices on aluminum ingot of higher purity: 99.75%, 18c.; 99.8%, 18½c.; 99.85%, 19½c.; 99.9%, 20½c.

ANTIMONY—Per lb., 99½% grade:

	Domestic, (a) Boxed, New York	Domestic, (b) Bulk, Laredo
June 15	27.780	24.500
June 16	27.780	24.500
June 17	27.780	24.500
June 19	27.780	24.500
June 20	27.780	24.500
June 21	27.780	24.500

(a) Boxed (224 lb.), 10,000 lb. or more but less than a carload, ex store, New York area. (b) In bulk, carload lots, f.o.b. Laredo, Texas; in cases one-half cent extra.

Chinese antimony—Per lb., min. 99%, in case f.o.b. N. Y., duty paid 22c.

BERYLLIUM—Per lb., f.o.b. Cleveland: Technical pebbles, $65. Premium pebbles, $85.

BISMUTH—Per lb., in ton lots, $2.00.

CADMIUM—Per lb. Commercial sticks, wholesale quantities, delivered:

June 15	$2.15
June 16	2.15
June 17	2.15
June 19	2.15
June 20	2.15
June 21	2.15

COBALT—Per lb., 97@99 percent, $1.80 for 500 lb. (bbl.); $1.82 for 100 lb. (case); $1.87 under 100 lb.

IRIDIUM—Per oz. troy, $100, sponge or powder.

MAGNESIUM—Per lb., f.o.b. producer's plant, ingots (4x16 in.), 99.8 percent, carload lots, 21½c.; 100 lb. or more, l.c.l., 23½c. Extruded sticks, carload lots, 29½c.; 100 lb. or more, l.c.l. 31c.

NICKEL—Per lb., electrolytic cathodes, f.o.b. Port Colborne, Ont., contract price, 48c., U.S. import duty included. Nickel oxide sinter, 44½c. per lb. of nickel content, f.o.b. Copper Cliff.

PALLADIUM—Per oz. troy, $24.

PLATINUM—Per oz. troy, $66 on wholesale lots; $69 on sales to consumers.

QUICKSILVER—Per flask of 76 lb., $70@$72.

RHODIUM—Per oz. troy, $125.

RUTHENIUM—Per oz. troy, $66@$69.

TUNGSTEN—Per lb., 98.8 percent minimum, 1,000 lb. lots, $2.90. Hydrogen reduced tungsten, 99.9 percent plus $4.50.

Quotations on other miscellaneous metals appeared in June 8 issue.

Metallic Ores

Prices in tons of 2,000 lbs., or in "units" of 20 lb., unless otherwise stated.

CHROME ORE—Per long ton, dry basis, subject to penalties if guarantees are not met, f.o.b. cars New York, Philadelphia, Baltimore, etc.

Indian and Rhodesian:
48% Cr_2O_3, 3 to 1 ratio, lump ..... $35.00@$36.00
48% Cr_2O_3, 2.8 to 1 ratio $32.50
48% Cr_2O_3, no ratio $25.00

South African (Transvaal):
48% Cr_2O_3, no ratio $26.00
43% Cr_2O_3, no ratio ..... $17.00@$18.30

Turkish:
48% Cr_2O_3, 3 to 1 ratio ..... $37.50@$38.00

Brazilian:
44% Cr_2O_3, 2.5 to 1 ratio, lump ..... (a) $31.00

Domestic, 48%, 3 to 1 ratio, $39 per ton, f.o.b. nearest shipping point. Nominal.

(a) Nominal.

MANGANESE ORE—On long-term contracts involving large tonnages prices

wholly normal and a matter for negotiation. Nearby business, basis 48% Mn, 79.8@81.8c. per long tons unit, c.i.f. U.S. ports (duty included).

TUNGSTEN ORE—Per short ton unit of WO_3, for ore of known good analysis: Chinese, duty paid, New York, $21.00@$22.00. Bolivian, Brazilian, etc., duty paid $21.00@$22.00. Domestic scheelite delivered to buyer's plant, $28.50.

Quotations on other ores appeared in June 8 issue.

Rolled Metals, Etc.

BRASS—Cents per lb. (base prices)

	Sheet	Wire	Rods
Yellow Brass	34.19	34.48	a28.54
Best quality brass	35.04	35.33	34.73
Red brass 80%	35.52	35.81	35.21
Red brass 85%	35.96	36.25	35.65
Com'l bronze	36.93	37.22	36.62
Gilding metal	37.38	37.67	37.07

(a) Free cutting

CADMIUM—Per lb. Special shapes, to platers, $2.30, effective June 15.

COPPER—Per lb. Sheets, over 20 in. wide, 37.43c.; rolls, 20 in. and under, 35.46c.; Wire, bare, carload lots, f.o.b. mills 26.67c. Prices nominal.

***LEAD SHEETS*—Per lb., full rolled,** 140 sq. ft. 17c.

ZINC—Per lb., carload lots, f.o.b. mill (base price): Sheet 20½c.; ribbon 20c.; plates 19@20c., depending on size.

Metallic Compounds

***ARSENIOUS OXIDE* (arsenic trioxide), refined, white minimum 99 percent—Per lb., 54c., in barrels, carload lots, delivered.**

***COBALT OXIDE*—Metallurgical grade, 72% Co, per lb. of Co contained, $1.95, f.o.b. Niagara Falls. Ceramic grade, 70 to 71% Co, per lb., $1.38 east of Mississippi; $1.40½ west of Mississippi.**

***COPPER SULPHATE*—Per lb., in** carload lots, 8.10c., large or small crystals, f.o.b., N. Y.

Alloys

FERROCHROMIUM—Per lb. of Cr: High carbon (4 to 9% C) 65 to 69% Cr, lump, carloads, delivered Eastern zone, 20.5c.

FERROMANGANESE—Per gross ton, 78@82 percent, $172, seaboard.

FERROMOLYBDENUM, Etc.—Per lb. of Mo contained, f.o.b., shipping point: Ferromolybdenum, 55@65 percent Mo $1.13; calcium molybdate ($CaO\ MoO_3$), 96c.; molybdic trioxide (MoO_3), 94c.

Iron, Steel, and Coke

IRON—**Per gross ton,** Valley furnaces: **Bessemer, $47.00; basic, $46.00; and No.** 2 **foundry, $46.50.**

STEEL—**Per net ton,** f.o.b. **mill,** Pittsburgh, billets and slabs, $53. Bars, per 100 lb., $3.45; plates and structural shapes, $3.40.

COKE—**Per ton, Connellsville furnace,** $14@$14.50, foundry $15@$16.

STEEL SCRAP—Per gross ton, delivered Pittsburgh, No. 1 heavy $45; No. 2 heavy $39; Cleveland, No. 1 heavy $42; No. 2 heavy $37.

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Quotations on non-metallic minerals appeared in June 8 issue.

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Tri-State Concentrates

Joplin, Mo., June 17, 1950

Blende	Per Ton
Prime coarse (jig and table, 60% zinc)	$95.00
Flotation, 60% zinc	$95.00
Galena	
Coarse and flotation, 80% lead	$147.67

The price of zinc concentrate in the open market was maintained at $95 per ton on both the flotation and coarse.

Production of zinc concentrate in the Tri-State district during April contained 5,513 tons of zinc. This compares with 6,092 tons in March.

Galena was unchanged at $147.67 per ton, basis 80% lead.

Correction—The dateline of the Joplin report that appeared in the issue of June 15 should have read June 10.

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Iron Ore Imports

Imports of iron ore in March totaled 578,348 gross tons, valued at $2,604,044, according to the Bureau of the Census. Imports in the first quarter amounted to 1,687,567 tons, valued at $7,580,928. Of the total quantity imported in the Jan.-March period, Chile supplied 731,062 tons; Sweden 510,657 tons; Brazil 125,824 tons; Algeria 175,460 tons; Tunisia 49,924 tons; and Mexico 40,425 tons.

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Tungsten in Tool Steels

The steel industry consumes approximately 90% of the tungsten marketed in the United States annually, according to the American Iron and Steel Institute. Manufacture of electric light bulbs requires less than 2% of the total quantity consumed, and the remainder is used in tungsten carbides, chemicals and dyes. The most important use of tungsten as an alloying element is in tool steels, some of which contain from 14 to 20% tungsten.

Tin from Detinning Plants

During 1949, detinning plants in the United States recovered the equivalent of 3,798 short tons of tin, which compares with 3,794 tons in 1948. Tin-plate clippings and old cans were the source of 3,654 tons in 1949, of which 3,195 tons was reclaimed as metal and 459 tons in the form of compounds, the Bureau of Mines reports.

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Aluminum Ingot Prices

Remelted aluminum ingot prices, in lots of 30,000 lb. or more, delivered, cents per pound:

Piston No. 122, 18c.; No. 12 Alloy, 17½c.; Deoxidizing, Grade 1, 18½c.; Grade 2, 18c.; Grade 3, 17c.; and Grade 4, 16½c.

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Brass and Bronze Ingot

85-5-5-5 (No. 115) 21½@22c.; 80-10-10 (No. 305) 25½c.; 88-10-2 (No. 215) 29c.; Yellow, 18½@19c.

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Smelters' Copper Scrap Prices

Custom smelters' buying prices for copper scrap, carload lots, refinery:

No. 1 heavy copper and wire, 19½c.; No. 2 heavy copper and wire, 18½c.; Light copper, 17½c.; refinery brass, 17½c.

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Dealers' Scrap Prices

Dealers' buying prices, f.o.b. New York or equivalent freight points, for wholesale quantities in cents per lb.

No. 1 copper wire	17½@18
Heavy copper & wire, mixed	16½@16¾
Light copper	15½@15¾
No. 1 composition	14½@15
Composition turnings	14½@14¾
Cocks and faucets	12½@13
Light brass	9½@9¾
Yellow brass turnings, mix.	9@9½
Heavy yellow brass, mixed	10@10½
Auto radiators, unsweated	11½@11¾
Brass pipe, cut	12@12½
Rod brass turnings, No. 1	13@13½
Rod ends, brass	13@13½
New soft brass clips	14@14½
Cast aluminum, mixed	7½@8
Aluminum pistons, clean	7½@8
Aluminum crankcases	8@8½
Aluminum clips, new soft	10@10½
Sheet aluminum, old clean	7½@8
Duralumin clips, new	8@8½
Aluminum turnings, clean	5@5½
Zinc die cast, mixed	5@5½
Zinc die cast, new	8½@8¾
Old zinc	7½@8
New zinc clips	9½@10
Soft or hard lead	9½@9¾
Battery plates	5@5½
Babbitt mixed	8½@8¾
Linotype or stereotype	10½@11
Electrotype	9½@10
Solder joints close cut	10½@10¾
Block tin pipe	60@62
No. 1 pewter	40@41
Autobearing babbitt	30@32
Monel clips, new	16@17
Monel sheet, clean	15@16
Monel turnings	12@13
Nickel clips, new	30@32
Nickel anodes, cast	28@30

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